

Who needs it?

Experienced offline programmers and
commissioning engineers

Your goal

Is there a risk that the robot will shut down or
that unplanned configuration changes will
occur?

How can I determine which PTP points are
close to configuration changes?

Our solution

RapCheck

RapCheck automates the verification of the
axis values for all PTP points in the generated
robot programs. It highlights risky locations so
that the axis values can be adjusted to safe
ranges, thereby preventing configuration
changes during production.

RapCheck

Analysis of the TCP Speed
Curve

The screenshot displays the RapCheck software interface. At the top, there are 'SETTINGS' and 'ANALYZE' buttons. A message box states: 'Selektiere Programme in PS und drücke "Analyze", um die Warnungen über Achswerte zu erhalten'. Below this, a list of PTP points is shown with their joint values: 'f30_rur', 'j1021rfa_29 j6: 0,52', 'j1021rfb_6 j4: -4,43', and 'j1021rfb_7 j4: -4,01'. A 'Change Limits' dialog box is open, showing a table for adjusting joint limits:

Joint	Lower	Upper
j1	-3	3
j4	-5	5
j5	-5	5
j6	-5	5

The dialog also includes a '+' button to add more joints and a 'SAVE' button. On the right side of the interface, there is a 3D model of an orange robotic arm with a cyan trajectory visualization.